

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIGINA, G.I., doktor tekhn.nauk

Waterproofing of cellular concrete with polymer still residues.
Stroi.mat. 10 no.4:1-2 Ap '64. (MIRA 17:5)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

KNIGINA, G.I., doktor tekhn. nauk; VERSHININA, E.N., inzh.

Photocalorimetric determination of the quality of
ceramic firing. Stek. i ker. 20 no.9:20-23 S '63.

1. Novosibirskiy inzhenerno-stroitel'nyy imeni V.V. Kuybysheva. (MIRA 17:6)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

ENIGOV, A., inzhener.

Simplified snowplow. Zhil.-kom.khoz. vol.3 no.9:27 3 '53. (MIRA 6:9)
(Snow removal)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIPL, V.

"The SCOTT-R development program" by J.H.Wright. Reviewed by
V.Knipl. Jaderna energie 10 no. 5:179-181 My '64.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIPOVICH, S.N.

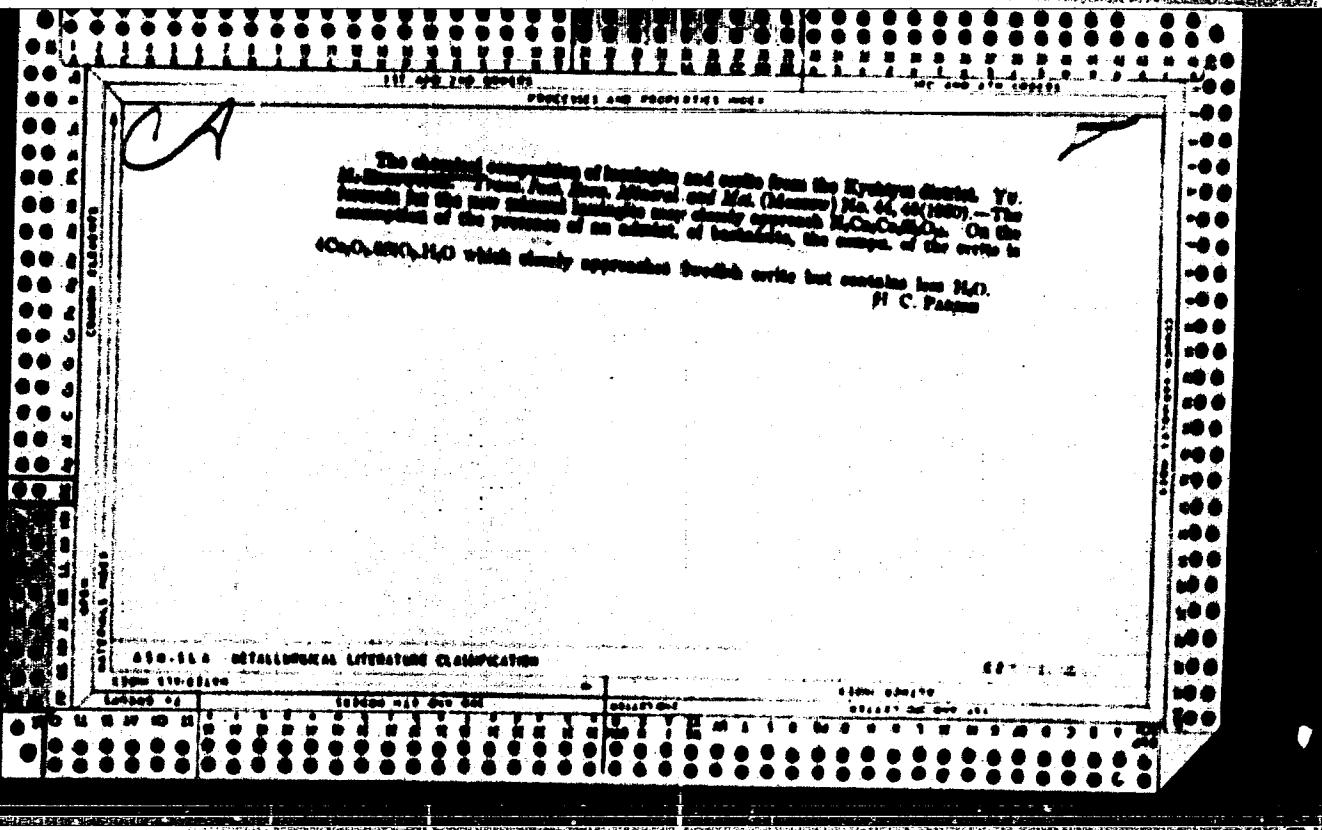
Using a mixture of glacial acetic and nitric acids for the separation
of uranium from its accompanying elements. Inform. sbor. VSEBKI no.18:
79-87 '59.

(MIRA 13'11)

(Uranium)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"



KHAIPOVICH, Yu. I., redaktor; SOKOLOV, I. Yu., redaktor; SOCHIVANOV, V. G.,
redaktor; TITOV, V. I., redaktor; SHAMANIKOV, I. V., redaktor
KOLOSKOVA, M. I., redaktor; PASHKOVA, S. A., tekhnicheskij re-
daktor

[Chemical and physico-chemical methods of analysing mineral
ores] Khimicheskie i fisiko-khimicheskie metody analiza mi-
neral'nogo syr'ia. Moskva, Gos. nauchno-tekh. izd-vo lit-ry
po geologii i okhrane nadr, 1955. 191 p. (MIRA 9:4)

1. Vsesoyuznoye soveshchaniye raiotaikov khimiko-analitiche-
skikh laboratoriy.
(Ores--Sampling and estimation)

KHPOVICH, Yu.N.

"Analysis of iron and manganese ores". Zab.lab.21 no.10:1272
'55. (MLRA 911)

1.Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.
(Iron ores--Analysis) (Manganese ores--Analysis) (Lisalikov, Yu.S.)

KUL'BOVICH, Yuliva Nikolayevna, redaktor; MORACHEVSKIY, Yuriy Vital'yevich,
redaktor; RACHINSKIY, P.Yu., redaktor; BRLIKH, Ye.Ya., tekhnicheskij
redaktor

[Analysis of mineral raw materials] Analiz mineral'nogo sry'ia. Izd.
2-eo, perer. i dop. Leningrad, Gos. nauchno-tekhn. izd-vo khim. lit-sy.
1956. 1055 p. (MLRA 10:4)
(Mineralogy, Determinative) (Water, Underground--Analysis)

KNIPOVICH, Yu. N.

VIKULOVA, M.P.; ZVIAGIN, B.B.; MIKHAYLOV, B.M.; BERLIN, T.S.; ORESHNIKOVA,
Ye.I.; SHAKHOVA, R.A.; IVANOVA, I.I.; TATARINOV, P.M., prof., red.;
GIVSLEER, A.N., prof.red.; DOMINIKOVSKIY, V.N., kand.geologo-
mineralogicheskikh nauk, red.; KNIPOVICH, Yu.N., kand. geologo-
mineralogicheskikh nauk; SHUROV, A.A., kand. geologo-mineralogicheskikh nauk;
FRANK-KAMENETSKIY, V.A., kand. geologo-mineralogicheskikh nauk; BABINSKAYA, N.I., red.izd-va; KRYNOCHKINA, K.V., tekhn.red.

[A methods manual on the petrographic and mineralogical study of clays]
Metodicheskoe rukovodstvo po petrografo-mineralogicheskemu izucheniju
glin; trudy Instituta. Sest. kollektivom avtorov pod rukovodstvom M.P.
Vikulovoi. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i
okhrane nadr, 1957. 447 p.
(NIRA 11:2)

1. Leningrad. Vsesoyusnyy geologicheskiy institut. 2. Chlen-
korrespondent AN SSSR (for Tatarinov)
(Clay)

KNIPOVICH, Yuliya Nikolayevna; SMIRNOV, M.M.

Connection of the Central Chemical Laboratory of the All-Union Geological Institute with the laboratories of geological administrations and exchange of experience with people's democracies.
Inform. sbor. VSEMOI no.18:5-9 '59. (NEDRA 13:11)
(Geological research)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KWIPOVICH, Yuliya Nikolayevna; KRASIKOVA, V.M.; CHUYENKO, L.I.

Determination of indium in minerals. Inform. sbor. VENGEI no.18;
11-30 '59.
(Indium--analysis) (Minerals)
(MIRA 13,11)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

MAROCHKIN, N.I., glavnyy red.; MARKOVSKIY, A.P., zamestital' glavnogo red.;
TATARINOV, P.M., zamestital' glavnogo red.; BELYAKOVA, Ye.Ye.,
nauchnyy red.; GANESHIN, G.S., red.; ZAITSEV, I.K., red.; KULIKOV,
M.V., red.; KUREK, N.N., red.; KNIPOVICH, Yu.N., red.; LUR'YE, M.L.,
red.; SIMONENKO, T.N., red.; SPIZHARSKIY, T.N., red.; STERLIN, D.Ya.,
red.

[Results of the research carried out by the All-Union Geological
Institute in 1959] Ezhegodnik po resul'tatam rabot VSEGEI za 1959
g. Leningrad, Otdel nauchno-tekhn.informatsii VSEGEI, 1961. 195 p.
(Informatsionnyi sbornik, no.44). (MIRA 1514)
(Geology)

MAROCHKIN, N.I., glav. red.; MARKOVSKIY, A.P., zam. glav. red.;
UL'YANOV, N.K., zam. glav. red.; GANESHIN, O.S., red.;
ZAITSEV, I.K., red.; KNIPOVICH, Yu.M., red.; KULIKOV, M.V., red.;
LABAZIN, G.S., red.; LUR'YE, M.L., red.; SIMONENKO, T.N., red.;
SPIZHARSKIY, T.N., red.; STERLIN, D.Ya., red.; TATARINOV, P.M., red.;
BELYAKOVA, Ye.Ye., nauchnyy red.; MAKEUSHIN, V.A., tekhn. red.

[Yearbook of the results of studies by the All-Union Geological
Institut] Eshegodnik po rezul'tatam rabot VSEGEI. Leningrad,
Otdel nauchn.-tekhn. informatsii, 1961. 203 p. (Leningrad.
Vsesoyuznyi geologicheskiy institut. Informatsionnyi sbornik,
no.49.) (MIRA 15:6)

(Geology)

SKELLER, V.R.[Schoeller, W.R.deceased]; POUELL,A.R.[Powell,A.R.];
BELOPOL'SKIY, M.P.[translator]; HKHOVA, V.S.[translator];
KNIPOVICH, Yu.N.[translator]; KRASIKOVA, V.M.[translator];
POPOV, N.P.[translator]; STOLYAROVA, I.A.[translator]; YUSOVA,
V.A.[translator]; ZAYKOVSKIY,F.V., retsenzent; SHCHERBOV,D.P.,
retsenzent; NEIMANOVA, G.P., red. izd-va; IVANOVA,A.G., tekhn.red.

[The analysis of minerals and ores of the rarer elements]Analiz
mineralov i rud redkikh elementov. Pod obshchei red. IU.N.Knipo-
vich i N.P.Popova. Moskva, Gosgeoltekhizdat, 1962. 447 p.

(MIRA 15:12)

(Mineralogy, Determinative) (Metals, Rare and minor)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KVIRKILIAN, Yu.N.; KOMKOV, A.I.; NEFRIV, Y.S..

Stephanite and a new mineral "zhemchuzhkovite". Trachyte VUGGET
96:137-135 '63.

1001A 17/97

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CIA-RDP86-00513R000723320010-3"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

BYKOVA, V.S.; KNIPOVICH, Yu.N.; STOLYAROVA, I.A.

Analysis of basic silicate rocks of complex composition.
Trudy VSEGEI 117:9-16 '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

MORACHEVSKIY, Yury Vital'yevich [deceased]; TSERKOVNITSKAYA,
Irina Aleksandrovna; KNIPOVICH, Yu.N., kand. khim.
nauk, otd. red.; POZDNEVA, V.A., red.

[Principles of the analytical chemistry of the rare
elements] Osnovy analiticheskoi khimii redkikh ele-
mentov. Leningrad, Izd-vo Leningr. univ., 1964.
182 p. (MIRA 18:2)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

DENYAKIN, Z., kand.tekhn.nauk; KABANOV, V., inzh.; KNIPPEHEERO, A., inzh.

Jet pulveriser for slaking lime. Na stroi.Ros. 4 no.6:22 Je '63.
(MIRA 16:6)
(Lime industry—Equipment and supplies)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

KNIPPER, A. L.

20-3-50/59

AUTHOR Knipper, A.L.
TITLE Geosynklinal Phosphorites from the Ulu-Tau of Central Kazakhstan.
(Geosinklinal'yye fosfority v yushnom Ulu-tau Tsentral'nogo Kazakhstana).
PERIODICAL Doklady Akademii Nauk, 1957, Vol. 115, Nr 3, pp. 601 - 604 (USSR.).
ABSTRACT Circa 20 years ago one of the greatest sites of stratified phosphorites of the world was discovered in the district of the Kara-Tau mountains. They are of Cambrian age. Formerly this type of phosphorite deposits was nowhere known in the U.S.S.R. The lower palaeozoic deposits of the southern part of the Ulu-Tau fold zone form the great Baykonur synclinorium. This structure forms a part of the enormous lower palaeozoic depression which can be observed in northern direction far up to the upper course of the Ishim river. The Baykonur synclinorium is precisely described in its extension and delimitation, and single suites and masses are investigated petrographically, lithologically, and mineralogically. Also volcanogenic-silicate formations occur which replace the upper deposits of the Ulu-Tau suit and correspond to the Bulantin suit. The lavas contain not very thick intermediate layers of tufaceous-arenaceous rocks with fine sprinklings of quartz and feldspar. The stratified phosphorites are distributed in the east in a basin of meridional direction, they lack in its west. Here only single phosphorite pockets occur in the clastic rocks. The phosphorites proper are of

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20-3-50/59

Geosynclinal Phosphorites from the Ulu-Tau of Central Kazakhstan.

great interest. The lower stratum consists of solid fine-coalitic light gray phosphorite; The P_2O_5 -content fluctuates between 30 and 34%. The second and third strata are white, gray, yellowish, green, sometimes almost black and have a P_2O_5 -content of from 15 - 28%.

The stratified phosphorites are cut by numerous quartz veins the holes of which are filled with secondary minerals of the alumophosphate group. The discovering of the stratified phosphorites in the southern part of the Ulu-Tau and the first results of their investigation give evidence that the Cambrian province of the geosynclinal phosphorite agglomeration reached from the Kara-Tau mountains far to the north to the western districts of Central Kazakhstan. This increases the chances of a successful search for valuable phosphorites to a great extent, in the denuded as well as in the Cambrian rocks which are covered by a shell of loose meso- and "cainozoic" rocks. It is easily to be seen that the stratified phosphorites of the Baykonur site are paragenetically connected with a complex of clastic and pyro-clastic rocks which are replaced facially by layers of sour lavas. Abrupt variations in the building of the cross sections of the Bulantin suit give reason to the idea that the study of these very districts will facilitate the explanation of the conditions of phosphorite agglomeration and its sources. It is known that up to now there are different opinions about it. The author thinks that Shatskiy's assumption of a

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20-3-50/59

Gecosynclinal Phosphorites from the Ulu-Tau of Central Kazakhstan.

direct connexion between the phosphorite agglomeration of the Karatau type and the volcanic activity is rather probable.
(There are 3 Slavic references).

ASSOCIATION Geological Institute of the AN of the USSR. (Geologicheskiy Institut Akademii nauk SSSR.).

PRESENTED by Academician Shatskiy, N.S., January 26, 1957

SUBMITTED January 21st, 1957.

AVAILABLE Library of Congress.

Card 3/3

KHIPPEN, A. L.

Stratigraphy of lower Paleozoic sediments in the southern
Ulu-Tau (central Kazakhstan). Sov. geol. 2 no.10:122-131
(MIRA 13:4)
0 159.

1. Geologicheskiy institut AN SSSR,
(Ulu-Tau--Geology, Stratigraphic)

KNIPPER, A.L.; NIKITIN, I.P.

New data on the Ordovician stratigraphy in the southern Ulu-Tau
(central Kazakhstan). Issv. AN Kazakh. SSR. Ser. geol. no.1:
23-2 '62. (MIRA 15:5)
(Ulu-Tau—Geology, Stratigraphic)

GARETSKIY, I.G.; KNIPPER, A.L.; SAMODUROV, V.I.

History of the development and spatial relationship of Paleozoic
structures in the Kara-Tau and Ulu-Tau. Biul.MOIP Otd.geol. 37
no.1143-56 Ja-F '62. (MIRA 15:2)
(Kara-Tau—Geology, Structural) (Ulu-Tau—Geology, Structural)

KNIPPER, A.L.

Origin of tillitelike conglomerates in the southern Ulu-Tau (central Kazakhstan). Izv. AN SSSR. Ser. geol. 27 no.4:66-75 Ap '62.
(MIRA 15:4)

1. Geologicheskiy institut AN SSSR, Moscow.
(Ulu-Tau—Conglomerate)

KNIPPER, Andrey L'vovich; SHTREYS, N.A., otv.red.; PEYVE, A.V., glavnnyy red.; MARKOV, M.S., red.; MENNER, V.V., red.; TIMPEYEV, P.P., red.; ANDREYEV, Yu.K., red.iad-va; RYLINA, Yu.V., tekhn.red.

[Tectonics of the Baykonur synclinorium (central Kazakhstan).]
Tektonika Baikonurskogo synklinoria (Tsentral'nyi Kazakhstan).
Moskva, 1963. 202 p. (Akademija nauk SSSR. Geologicheskii institut. Trudy, no.90). (MIRA 17:2)

1. Chlen-korrespondent AN SSSR (for Peyve).

KNIPPER, A.L.; KOSTANYAN, Yu.L.

Age of ultrabasites of the northeastern coast of Lake Sevan.
Inv. AN SSSR, Ser. geol. 29 no.10:67-79 O '64.

(MIRA 17:11)

1. Geologicheskiy institut AN SSSR, Moskva.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIPPER, A.L.

Characteristics of the formation of anticlines with serpentinite
cores (Sevan-Akera zone of the Lesser Caucasus). Biul. MOIP. Otd.
geol. 40 no.2:46-58 Mr-Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIPPER, A.L.

Age of the gabbroic Chaykend Massif (Sevan-Akera zone in the Lesser Caucasus). Dokl. AN SSSR 162 no.2:408-410 My '65. (MIRA 18:5)

1. Geologicheskiy institut AN SSSR. Submitted December 10, 1964.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

AUTHOR:
TITLE:

TURBOVIC, I.T., KNIPPER, A.V., SOLOMONOV, V.O. PA - 2015
A Device for the visual Observation and Measurement of Frequency
Characteristics of Group Propagation Time, Phase Shift, and of the
Modulus of the Wireless Transmission Coefficient (Frequency Charac-
terograph).

(Pribor dlja vizualjnogo nabljudenija i izmerenija chastotnyh harak-
teristik gruppovogo vremeni pasprostraneniya, fazovogo smeschenija
i modulja koefitsienta peredachi (Chastotnyj harakterograf). Russian.
Radioelektronika, 1957, Vol 12, N r 1, pp 31-42 (U.S.S.R.)

PERIODICAL:

Received: 2 / 1957

Reviewed: 3 / 1957

ABSTRACT:

In connection with the measuring of the characteristics, the time needed for this purpose is of essential importance. A high degree of accuracy as well of rapidity when measuring frequency characteristics is obtained by means of the frequency modulation method with the aid of oscillographs. The authors are not of the opinion that these methods are less accurate than those based upon point measurement. The present paper describes the construction of a device for the rapid measurement of frequency characteristics; errors are investigated, and the block scheme of the device, which was developed between 1953 and 1955 in the laboratory of the USSR Academy of Sciences, is described. Calculations show that in most of the cases under investigation the complex error committed when measuring the wireless transmission coefficient is negligibly small within the range of high

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PA - 2015

A Device for the visual Observation and Measurement of Frequency Characteristics of Group-Propagation Time, Phase Shift, and of the Modulus of the Wireless Transmission Coefficient (Frequency Charactograph).

frequencies and in the case of a velocity of frequency modification of 6 m/sec^{-1} . Group propagation time is measured in accordance with the method developed by Nyquist. The error which characterizes this method, together with that which is due to the rapid method of measuring amounts to a total of less than $0,02 \mu\text{sec}$ in the case of most broad-band objects. The block scheme of the device is described. It consists of two parts: one for transmission and one for reception. The scheme of the transmitting part, remains unchanged in the course of measurements of all three characteristics. The receiving part performs the following tasks: Measuring the amplitude of the envelope at the output of the object under investigation (during measurement of the wireless transmission coefficient), comparison and measurement of the phase differences of the envelop at the input and output of the object (during measurement of the group-propagation time), integration of group time according to frequency (when measuring deviations of phase shift from the linear characteristics). Reading off recordings made by the device is carried out by the comparison method. The measuring process is divided into two stages: a measur-

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PA - 2015

A Device for the visual Observation and Measurement of Frequency Characteristics of Group-Propagation Time, Phase Shift, and of the Modulus of the Wireless Transmission Coefficient (Frequency Charactograph).

ing- and a graduating stage. Graduation is brought about by a potentiometer the transmission coefficient of which changes jerk-like during the graduating stage. Each individual act belonging to the process of reading-off recordings is described, and also the phase discriminator, which is a summator, the limiter, the integrator, which has a scheme with capacitive back-coupling, and the input detector, in connection with which detection is carried out without capacity. In conclusion detailed instructions are given as to how the exact operation of the apparatus must be checked and controlled, and all technical data of the device are given.

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

CARD 3 / 3

9,3073

S/024/62/000/001/013/013
E140/E435AUTHOR: Knipper, A.V. (Moscow)

TITLE: On the measurement of channel delay by frequency modulation methods

PERIODICAL: Akademiya nauk SSSR, Izvestiya. Otdeleniye tekhnicheskikh nauk. Energetika i avtomatika.
no.1, 1962, 186-191

TEXT: The problem considered is the time delay of communications channels where the transmitter and receiver are separated in space so that the reference signal must be transmitted along with the test signal. Two basic methods are considered: 1) a reference signal, identical in frequency to the test signal modulation frequency, is transmitted or generated by AFC methods at the receiver; 2) the modulation frequency is generated by a frequency divider from the reference signal, which is close in frequency to the test signal carrier frequency. In either case the time delay is measured by the phase shift of the test signal envelope with respect to the reference signal. The two methods are compared with respect to frequency stability, noise filtering,

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S/024/62/000/001/013/013
E140/E435

On the measurement of channel ...

settling time. In respect to all these characteristics the second method is found superior. No indications are given on the method for compensating the time delay of the reference signal.
There are 2 figures.

SUBMITTED: August 17, 1961

L
B

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36085
8/106/62/000/004/005/010
A055/A101

6, 2000

AUTHOR: Knipper, A.V.

TITLE: Errors in the measurement of the communication channels delay-time characteristics, due to nonlinear distortions

PERIODICAL: Elektrosvyaz', no. 4, 1962, 33 - 37

TEXT: In this article is examined the maximum error in the measurement of the delay-time in the case of linear detection and of small nonlinear distortions, account taken of the frequency-properties of the communication channels. The author determines first the error due to the harmonics of the carrier frequency. A voltage $U(t)$ is applied to the detector input:

$$U(t) = U_m \{ [1 + m_1 \sin(2t + \varphi_1)] \sin(\omega t + \psi_1) + \sum_{n=2}^q k_n [1 + m_n \sin(2t + \varphi_n)] \sin(n\omega t + \psi_n) \},$$

where k_n is the nonlinearity coefficient (subscript "n" standing for the n-th harmonic), φ_n is the phase-shift of the envelope, ψ_n is the phase-shift of the

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S/106/62/000/004/005/010
A055/A101

Errors in the measurement of the communication

n-th harmonic, m_n is the percentage modulation, ω is the high frequency modulated by the low frequency Ω (measuring signal). The author considers the case of the greatest increase of the average magnitude of the half-wave, occurring when all the odd harmonics are in phase with the fundamental frequency and all the even harmonics are shifted by $\pi/2$ (see Fig. 1, where the thick curve is the resultant oscillation with period T). Supposing that $\phi_1 = 0$ and integrating U(t) within the limits $-\frac{\Delta t}{2}$ and $\frac{T}{2} + \frac{\Delta t}{2}$, the author obtains (after simplifications) for the positive half-wave:

$$U_{\text{aver}} = \frac{2 U_m}{\pi} \left\{ [1 + m_1 \sin(\Omega t + \varphi_1)] + \sum_{l=1}^q \frac{k_{2l+1}}{2l+1} [1 + m_{2l+1} \sin(\Omega t + \varphi_{2l+1})] + \right. \\ \left. + \sum_{l=1}^p \frac{k_{2l}}{4l} [1 + m_{2l} \sin(\Omega t + \varphi_{2l})] \sin 4l\pi \frac{\Delta t}{T} \right\}. \quad (1)$$

Neglecting the effect of the even harmonics, he obtains the following expression for the maximum increase of the phase-shift of the envelope in the presence of odd harmonics (when $\varphi_3 = \varphi_5 = \dots = \varphi$):

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A055/A101

Errors in the measurement of the communication

$$\Delta\varphi \approx \Delta\varphi_0 + \frac{1}{m_1} \sin(\varphi_1 - \varphi) \cdot e^{b(\omega)} \sum_{l=1}^q \frac{k_{2l+1} m_{2l+1}}{2l+1},$$

(this expression being valid for $\Delta\varphi \leq 0.1$), and the following expression for the error in the measurement of the delay-time:

$$\Delta\tau = \frac{\Delta\varphi}{\Omega} \approx \frac{1}{m_1} \sin(\varphi_1 - \varphi) \cdot e^{b(\omega)} \frac{1}{m_1} \sum_{l=1}^q \frac{k_{2l+1} m_{2l+1}}{2l+1}, \quad (2)$$

where $b(\omega)$ is the communication channel attenuation irregularity. In the second part of the article, the author determines the error in the measurement of the delay-time, due to the combined detection of the measuring signal and of the lf-modulating oscillation. Here also, he deduces the expressions giving $\Delta\varphi$ and $\Delta\tau$ using, in this case, some of the formulas derived by him in an earlier article (I.T. Turbovich, A.V. Knipper, V.G. Solomonov, Radiotekhnika, 1954, v. 9, no. 4). The Soviet personalities mentioned in the article are: V.A. L'vov, A.I. Yudin and A.Ch. Pukhal'skiy. There are 1 figure and 5 Soviet-bloc references.

SUBMITTED: December 11, 1961

Card 3/4

KHIPPER, A.V. (Moskva)

Integrator with negative-positive feedback. Izv. AN SSSR, Otd. tekh.
nauk. Energ. i avtom. no. 2:164-166 Mr-kp '62. (MIRA 25:4)
(Pulse circuits)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIPPER, A.V. (Moskva)

Measurement of delay time in communications channels using a
frequency modulation method. Issv. AN SSSR. Otd. tekhn. nauk.
Energ. i avtom. no.1;186-191 Ja-P '62. (MIRA 15:3)
(Information theory)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

1 20732-66 ENT(d)/T/EWP(1) IJP(c) GG/IB/GS
ACC NR: AT6004695

SOURCE CODE: U1/0000/65/000/000/0138/0141

AUTHOR: Knipper, A. V.; Badalov, T. A.

62
By/

ORG: None

TITLE: Simple circuits for the measurements of ratios and products of two variable voltages
[Paper presented at a Seminar of IPPI AN SSSR held 3 February 1964]

SOURCE: AN SSSR. Institut problem peredachi informatsii. Opoznamyie obrazov. Teoriya peredachi informatsii (Pattern recognition. Theory of information transmission); Moscow, Izd-vo Nauka, 1965, 138-141

TOPIC TAGS: voltage divider, electric measurement, electric measuring instrument, pattern recognition.

ABSTRACT: The determination of the ratio or product of two functions of time is often required during the establishment of characteristics needed for speech or pattern recognition or the normalization of signals. Such circuits (dividers and multipliers) should be simple and inexpensive with an accuracy which may be below the one required in analog computers. The authors designed efficient divider and multiplier circuits which divide or multiply functions of constant sign with a +5% error for 20-fold variations of input voltages. Diagrams of both circuits are presented (Figs. 1 and 2).

Card 1/3

L 20732-66
ACC NR: AT6004895

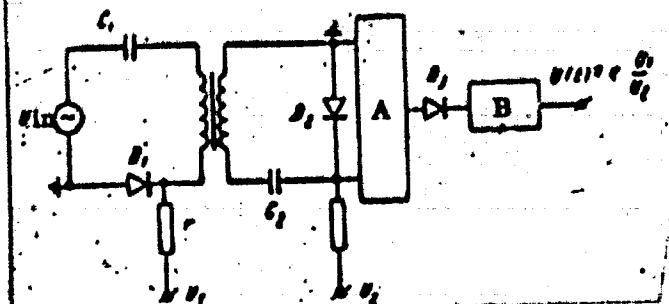


Fig. 1.
Divider circuit

A - Amplifier
B - L F Filter

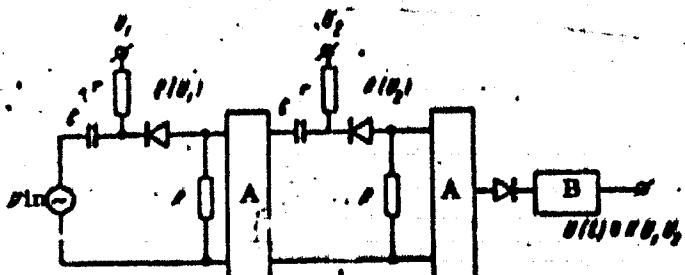


Fig. 2.
Multiplier circuit

A - Amplifier (1 and 2)
B - L F Filter

Card 2/3

"APPROVED FOR RELEASE: 06/19/2000

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L 20732-66

ACC NR: AT6004695

The article also shows oscillograms of input and output voltages. The results of tests of these devices are given for some values of circuit parameters. Orig. art. has: 2 formulas, 4 figures, and 4 tables.

[08]

SUB CODE: 09/ SUBM DATE: 25Sep86/ ORIG REF: 002/ ATD PRESS: 4223

Cord 3/3

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

L 39499-66 EWT(d)/T/EWP(1) IJP(c) GG/BB/GD/GS

ACC NR: AT6004688 SOURCE CODE: UR/0000/68/000/000/0018/0020

AUTHOR: Kniper, A.V.; Petrov, O.A.; Turbovich, I.T.

ORG: none

TITLE: The feasibility of obtaining the characteristics of unidimensional patterns which are scale invariant [Paper presented at a Scientific Conference of IPPI AN SSSR on 10 April 1964]

SOURCE: AN SSSR. Institut problem peredachi informatsii. Opoznnaniye obrazov. Teoriya peredachi informatsii (Pattern recognition. Theory of information transmission). Moscow, Izd-vo Nauka, 1963, 16-20

TOPIC TAGS: speech recognition, pattern recognition, speech signal

ABSTRACT: In the classification of functions which describe patterns, it is often expedient to put into a single class functions which are similar in form but which differ in the scale of the independent variable and of the function itself. Thus, the functions $y = f(t)$ and $y_1 = \lambda f(\mu t)$ would belong to the same class for arbitrary λ and μ . The present paper outlines a method for the description of the $y(t)$ function which is invariant to both types of scale changes. This approach for the establishment of appropriate

Card 1/2

ZAKHARIN, A.G.; KANAKIN, N.S.; KNIPPER, L.A.

Electric power supply schemes for districts with small load
density. Obshch. energ. no.1:101-109 '59. (MIRA 13:2)
(Electric power distribution)

KNIPPER, N.Y.

Wheat

Seed quality of wheat after drying it with high frequency current.

Dokl. Ak. sel'khoz. 17.no. 3, 1952.

Vsesoyuznyy Nauchno-issledovatel'skiy Institut Elektrifikatsii Sel'skogo Khozyaystva

SOI Monthly List of Russian Accessions, Library of Congress, August 1952, Sov. Univ.
Red. 12 Dec. 1951

Khilis, N. V. (Khil)

Dissertation: "Investigation of Electrophysical Characteristics of Grain Substance in Order to Find Optimum Indices of High-Frequency Drying." Cand Tech Sci, Joint Sci Council of the All-Union Sci Res Inst of Mechanization of Agriculture (VIM) and the All-Union Sci Res Inst of Electrification of Agriculture (VIEZh), 11 May 54. Vechernaya Moskva, Moscow, 2 May 54.

SO: SUM 284, 26 Nov 1954

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KHIPPER, N.V., kandidat tehnicheskikh nauk.

Use of high-frequency currents to dry grain. Nauch. trudy VINITI 2:185-
205 '56. (KIRA 10:1)
(Grain--Drying) (Dielectric heating)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

REZNIKOV, Aleksandr Abramovich; MULIKOVSKAYA, Ye.P.; SOKOLOV,
I.Yu.; KNIPPOVICH, Yu.N., red.; CHUMACHENKO, Z.N., red.
izd-va; SHMAKOVA, T.M., tekhn. red.

[Methods of analysis of natural waters] Metody analiza
prirodnykh vod. Izd.2., dop. i perer. Moscow, Gosgeoltekh-
izdat, 1963. 403 p.
(Water, Underground--Analysis)

KINPST, I.N.

CA

IIA

Reciprocal action between thiamine, acetylcholine, and cholinesterase. I. N. Kuklin, M. V. Lomakina, Univ. Moscow). Byull. Akad. Med. Nauk SSSR, No. 2, 16-31 (1945).—The experiments were carried out in 2 series. In the first series the response of the rectus muscle of a frog's pharynx to acetylcholine alone and with thiamine was studied. The muscle was divided into 2 parts. In one part progressive doses of acetylcholine were used, on the other the same doses of acetylcholine with the addition of several doses of thiamine. The highest doses of thiamine depressed the response of the muscle to acetylcholine; the lowest doses stimulated it, and the middle doses depressed it to some cases and stimulated it in others. In the second series the response of the outer muscle to cholinesterase was studied. The action of thiamine to this enzyme always inhibited its hydrolyzing action on acetylcholine; the degree of inhibition depending on the doses of thiamine and on the fact whether free or pseudocholinesterase was used. J. D. Harkness

400-164 METALLURGICAL LITERATURE CLASSIFICATION

600-164-1000

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNIPST, I. N.

KNIPST, I. N. -- "The Strength of Human Muscles and Factors by Which It can be Determined." Sub 20 Oct 52, Moscow City Pedagogical Inst imeni V. P. Potekhin. (Dissertation for the Degree of Candidate in Biological Sciences).

SO: Vechernaya Moskva January-December 1952

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

KELPST, I.N.

Electrical activity at different levels of the cerebral cortex during
the formation of a conditioned defense reflex in rabbits. Trudy Inst.
vys.nerv.deiat. Ser.fisiol. 1:294-307 '55. (MLRA 918)

1. Is laboratorii elektrofisiologii uslovnykh refleksov, zaveduyushchiy
M.N.Ivanov.
(CONDITIONED RESPONSE) (CEREBRAL CORTEX)
(ELECTROPHYSIOLOGY)

KNIEZET, I.M.

Bioelectrical activity of different levels of the cerebral cortex
during the formation of a conditioned defense response to non-
coincident rhythms in rabbits. Trudy Inst.vys.nerv.deiat. Ser.fisiol.
2:159-180 '56. (MIRA 10:1)

I. Iz laboratori elektrofisiologii ualovnykh refleksov, ZAV. -
M.N.Livanov.
(CONDITIONED RESPONSE) (ELECTROPHYSIOLOGY)

KHLEST, L.N.

Bioelectrical activity of different levels of the cerebral cortex during the development of a conditioned defense response to nonrhythmic stimulation in rabbits. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 3:59-67 '59.

1. Iz laboratori elektrofisiologii uslovnykh refleksov, sav. - M.I. Livannov.
(CONDITIONED RESPONSE) (CEREBRAL CORTEX)

KHIPST, I.N.

Changes in the electrical activity of the cerebral cortex in diphtheria. Trudy Inst. vys. nerv. deiat. Ser. fisiol. 3:136-150 '59.
(MIR 12:3)

1. Is laboratorii elektrofisiologii uslovnykh refleksov, zav. -
M.N. Livanov.
(CEREBRAL CORTEX) (DIPHTHERIA)

KNIPST, I.N.

Electrophysiological investigations of the stage of generalization
of the conditioned defensive reflex. Trudy Inst. vys. nerv. deiat.,
Ser. fisiol. 5:3-13 '60. (MIRA 13:10)

1. Is laboratorii elektrofisiologii uslovnykh refleksov, (zav. -
M.N. Livanov) instituta vyschey nervnoy deyatel'nosti.
(ELECTROPHYSIOLOGY) (CONDITIONED RESPONSE)

KNIPST, I.N.

Spatial variations in the bioelectric activity of the cortex and
subcortical formations of the rabbit brain. Report No.1: Changes
in the bioelectric activity of the cerebral cortex, the diencephalon,
and the mesencephalon during the action of indifferent stimuli.
Trudy Inst. vys. nerv. deiat. Ser. fiziol. 6:267-278 '61.

(MIRA 14:12)

1. Iz Laboratorii elektrofisiologii uslovnykh refleksov, zav. -
M.N.Livanov.

(BRAIN) (ELECTROPHYSIOLOGY)

KHIEHL', A.L.; IL'DENKII, P.I., professor, zaveduyushchiy.

Effect of acute infections upon the development and course of tubercular pulmonary infiltrations in children. Vop.pediat. 21 no.3:33-37 My-Je '53.
(MLRA 6:7)

1. Kafedra i klinika detskikh bolezney lechebnoego fakul'teta Krymskogo
gospodarstvennogo meditsinskogo instituta imeni I.V.Stalina.
(Tuberculosis) (Infection)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KHIEML', V., inshener, laureat Stalinskey premii.

Designing reinforced concrete products and the demands of technology. Stroi.mat. izdel. i konstr. 1 no.3:18-21 Mr '55.
(Reinforced concrete) (MLRA 8:10)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

AGAPOV, A.A.; KIRIK, A.S. (Kazan')

Favorable outcome in a case of hemolytic shock caused by Rh
incompatibility. Kas. med. zhur, no. 6:87 K-D '60. (MIRA 13:12)
(SHOCK) (RH FACTOR)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

KNIRIK, G. S.

21037 Knirik, G.S. Otdalennyye Rezul'taty Khirurgicheskogo lecheniya ognestril'nykh povrezhdeniy perifericheskikh nervov Trudy In-ta (Kazansk, Nauch-issled in-t ortopedii i vosstanovit Knirurgii) t.111, 1949, s. 131-36.

SOI LETOPIS ZHURNAL STATEY - Voll 28, Moskva, 1949

XNIRIK, G. S.

Khirik, G. S.

"Pathogenic Principles of Surgical Treatment of the Results of Firearm Wounds to the Sciatic Nerve at Long Intervals after the Injury." Kazan' State Medical Inst. Kazan' State Sci Res Inst of Orthopsdics and Restorative Surgery. Kazan', 1955. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

XNIRIK, G.S.

Dynamics of the content of bromide in the blood of patients with volumetric formations in the brain and manifestations of an occlusion of the excretory tracts of the cerebrospinal fluid. Zhur. nevr. i psikh. 64 no.10:1485-1488 '64.

(MIRA 17:11)

1. Kazanskiy nauchno-issledovatel'skiy institut travmatologii i ortopedii (direktor U.Ya. Bogdanovich).

KMIRIK, G.S., starshiy nauchnyy sotrudnik

Sarcoma of the bones of the cranial vault. Kas. med. zhur.
no.2:58-59 Mr-Apr '62. (MIRA 15:6)

1. Otdeleniye neirokhirurgii Kasanskogo nauchno-issledovatel'skogo
instituta travmatologii i ortopedii (direktor - prof. L.I.
Shulutko).

(SKULL-CANCER)

FAYZULLIN, M.Kh., prof. (Kazan'); KHLIRIK, G.S., kand.med.nauk (Kazan');
GALIMOV, I.Kh., kand.med.nauk (Kazan').

All-Union Conference of Neurosurgeons. Kaz.med. zhur. 4:
88-89 Jl-Ag'63 (MIRA 17t2)

SOV/124-58-4-4600

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 135 (USSR)

AUTHOR: Knish [Knysh, K. A.]

TITLE: Experimental Investigation of the Working of Single Driven
Files (Eksperimental'noye issledovaniye raboty odinochnykh
zabivnykh svay) in Ukrainian

PERIODICAL: Zb. nauk. prats'. Dnipropetr. inzh.-budiv. in-t, 1957,
Nr 3, pp 71-81

ABSTRACT: Bibliographic entry

1. Beams--Performance

Card 1/1

KNISHEVITSKII, R.M.

Late results of the treatment of oblique inguinal hernias in
children using T.P.Krasnobaev's surgical method. Vest. khir.
93 no.12:90-92 D '64. (MIRA 18:5)

1. Is kliniki khirurgii detskogo vozrasta (zav. - prof. L.G.
Smolyak) na base 1-y gorodskoy klinicheskoy bol'nitsy (glavnnyy
vrach - M.M.Khanovich), Donetsk.

KHISHEVITSKIY, V.M.

Primary suture of the flexor tendons of the hand and fingers
and its late results. Vest.khir. no.3:74-77 '62.

(MIRA 15:3)

1. Iz kafedry ortopedii i travmatologii (sav. - dotsent M.V.
Khovenko) Donetskogo meditsinskogo instituta im. Gor'kogo
(rektor - dotsent A.M. Ganichkin) i oblastnoy travmatologiceskoy
bol'nitsy (gl. vrach - kand.med.nauk T.A. Revenko).
(TENDONS—SURGERY) (HAND) (FINGERS)

KLETTMAN, Ye.I.; STETKEVICH, A.A.; KNITEL'SHOT, V.I.

Effect of multiple antigenic irritations with an anaerobic trianatoxin on some hematological indices in horses.
Trudy TomNIIVS 14:184-194 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

KLEYTMAN, Ye.I.; STETKEVICH, A.A.; KNITEL'SHOT, V.I.; YEROFEIEV, V.S.

Some indices of the general reaction of the organism of horses
to the administration of polyvalent anatoxins. Trudy
TomNIIVS 14:176-183 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i
syvorotok.

SAVENKO, Yu.S.; KNITER, R.R.

Clinical aspects and histopathology of tuberous sclerosis.
Zmir. nevr. i psikh. 63 no.2:207-212 '63 (MIRA 16:11)

1.Klinika nervnykh bolezney (zav. - prof. S.N.Savenko) Chernovitskogo meditsinskogo instituta na base psichoneurologicheskoy bol'niцы (glavnyy vrach N.P.Chubinets).

*

KNITTER, Edmund, mgr; KRUSZEWSKI-MAJEMSKI, Jan

Calculating torsional vibrations of ship propulsion systems
with the Elliot 803 computer. Bud Okretowe Warszawa 8 no.8:
267-271 Ag '63.

1. Ośrodek Badawczy Przemysłu Okrętowego, Centralne Biuro
Konstrukcji Okrętowych nr. 1, Gdańsk.

KNITTER, Tadeusz; KOZŁOWSKI, Kazimierz

A case of a congenital form of vertical hyperostosis in an infant (hypertrophy corticalis infantum). Pediat. Pol. 39 no.4:461-464 Ap '64.

Hyperostosis corticalis infantum (cortical hyperostosis in infants). Ibid.:465-472

1. Z Oddziału Noworodków Szpitala Wojewódzkiego w Poznaniu (Kierownik: lek. med. T. Knitter) i z I Kliniki Chorób Dzieci Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. T. Rafiński).

KMITTL, Vitezslav, ins.

Tesla SRV 150 transmitter. Przegl telekom 35 [i.e. 36]
no. 7:201-203 Jl '63.

1. Tesla, Praha-Hloubetin.

KNITL Z.

Category : CZECHOSLOVAKIA/Optics - Optical Methods of Analysis. Instruments X-7

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 5202

Author : Knittl, Z.

Title : Basic Principles of Interference Refractometry

Orig Pub : Jemna. mech. a opt., 1956, 1, No 1, 9-10

Abstract : No abstract

Card : 1/1

Knittl Z.

K

CZECHOSLOVAKIA/Optics

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10360

Author : Knittl Z.

Inst : Not Given

Title : Translucent Films.

Orig Pub: Jema mech. a opt., 1956, 1, No 3, 80-83

Abstract: Popular article.

Card : 1/1

~~KNITTL, Z.~~

The principle of automatic calculating machines.

P. 21 (Jesna Mechanika a Optika. Vol. 2, no. 1, Feb. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

KNITTL Z.

CZECHOSLOVAKIA/Optics - Physical Optics

K-5

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 4518

Author : Knittl, Zdenek

Inst : Not given

Title : Use of the Reversibility Principle to Derive Certain Formulas
for a System of Optical Thin Layers

Orig Pub : Ceskoslov. casop. fys., 1957, 7, No 4, 348-351

Abstract : No abstract

Card : 1/1

KNITTEL, Z.

A. Vasicek's Optika tenkych vrstev (The Optics of Thin Layers); a book review.

p. 609 (CESKOSLOVENSKY CASOPIS PRO FISIKU) Vol. 7, no. 5, 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EIAI) LC, Vol. 7, No. 3,
March 1958

Geometric calculations for making coatings in a vacuum with rotating devices. p. 363.

JEPOMA MECHANIKA A OPTIKA (Ministerstvo presneho strojirenstvi a Ustav pro
výzkum optiky a jemne mechaniky) Praha, Czechoslovakia Vol. 3, no. 11, Nov. 1958

Monthly List of East European accession, (EEAI), LC, Vol. 8, No. 12, Dec. 1959
Uncl.

CZECHOSLOVAKIA/Optics - Physical Optics

K-5

Abc Jour : Ref Zhur - Fizika, No 1, 1959, No 1903

Author : Knittl Zdenek

Inet :

Title : Critical Remarks on Vesicok's Revision of the Theory of the
Reflection of Light from a Thin Metallic Film.

Orig Pub : Chokhol. fiz. zh., 1958, 8, No 1, 131-133

Abstract : Supplement to the author's review of Vesicok's book (Referat
Zhur Fizika, 1958, 16623). The new formula proposed by
Vesicok in this book for the coefficient of reflection from
a thin metallic layer is questioned. It is indicated that
Vesicok's objection to the ordinary formula, namely that in
some cases the law of conservation of energy is not satisfied,
does not justify the revision of the theory, since
those cases are physically fictitious.

F.O. Kerd

Card : 1/1

68

CZECHOSLOVAKIA/Optics - Physical Optics

K-5

Abstr Jour : Ref Zhur - Fizika, No 4, 1959, No 6724

Author : Knittl Zdenek, Vasicek Antonin

Inst :

Title : Critical Remarks on the Vasicek Review of the Theory of Re-
flection of Light From a Thin Metallic Layer

Orig Pub : Ceskoslov. fys., 1958, 8, No 1, 139-143

Abstract : See Referat Zhur Fizika, 1959, No 1, 1903

Card

: 1/1

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24.3000

66998
CZECH/37-59-1-2/26

AUTHOR: Zdenek Knittl

TITLE: On the Balance of Energy in Metal-Optics

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 1, pp 4-16

ABSTRACT: For dielectric layers we may write $R + T = 1$, where R is the relative reflected intensity of light and T the relative transmitted intensity. If one of the layers is metallic, we have to include absorption and obtain Eq (2): $R + T + A = 1$. While R and T are relatively easily measured, A is not and is calculated from Eq (2). This simple formulation of the Law of Conservation of Energy fails, however, if we consider the case of an interface between a metallic and a dielectric layer. This has recently been pointed out by Professor Vasiček. In electromagnetic theories of the energy-balance on the metal-dielectric interface due to Born and Ladenburg (Ref 2) and to Salzberg (Ref 3), Eq (1) should further contain an expression (Eq 3) which cannot be physically interpreted. The present work sets out to shed some light on both these difficulties. The balance of energy for transmission and reflection of light in a thin layer is considered from the Maxwell boundary ✓

Card 1/2

66998

CZECH/7-59-1-2/26

On the Balance of Energy in Metal-Optics

conditions. It is found that in such a layer energy is transported by two mechanisms: by a standing wave and by a progressing wave. In consequence, the absorption consists of two expressions. This leads to a physical interpretation of the energy-balance on the interface between metal and dielectric.

Card 2/2 There are 6 figures and 10 references, of which 5 are Czech, 3 English and 2 German.

ASSOCIATION: Ústav pro výzkum optiky a jemné mechaniky, Přerov (Optics and Precision Mechanics Research Institute, Přerov)

SUBMITTED: May 12, 1958

✓

CZECHOSLOVAKIA/Optics - Physical Optics

X

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9782
Author : Knittl, Z.
Inst : ~~not given~~
Title : Graphic Calculation of Thin Optical Films by Methods of Communication Engineering
Orig Pub : Jernn mech. a opt., 1959, 4, No 5, 160-166

Abstract : A critical analysis is given of different methods of calculating interference films. Also described is a new graphic method of calculating optically thin films, based on the use of a computational analogy between interference layers and electric four-terminal networks in communication engineering. The method is based on the graphical calculation method, developed in electrical engineering, using a Smith chart. The necessary formulas and graphs are given. -- A.A. Zabelin

Card 1/1

- 151 -

KNITL, ZDENEK

COUNTRY : Czechoslovakia

B-5

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723320010-3

ABS. JOUR. : RZhim., no. 22 1959, No. 77557

AUTHOR : Knittl, Z.

INST. : Not given

TITLE : Energy Balances in Metal Optics

ORIG. PUB. : Ceskoslov Casop Fys, 9, No 1, 4-15 (1959); Chelkosalov Fiz Zhur, 9, No 2, 133-145 (1959)

ABSTRACT : Using the Maxwell boundary conditions for a thin metal layer, the author has derived an energy balance for the cases of light transmission and reflection by such a layer; an exact expression for the magnitude of the absorption has also been derived. It has been established that inside the metal layer the energy is transmitted in the form of both a traveling and a standing wave, and two component expressions for the absorbed energy were obtained in correspondence with that picture.

CARD: 1/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

~~ARITL, 60418~~

On the theory of optically thick absorbing layers. Cs cas
fys 13 no.3:189-198 '63.

1. Ustav pro výzkum optiky a jemné mechaniky Msoptu, Přerov.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

KRITTL, M., RNDr., CSc.

Dielectric interference filters with rectangular maximum.
Jenoptech opt 8 no.11:379-380 N'63.

1. Ustav pro výzkum optiky a jemné mechaniky, Přerov.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KNITTL, Z dn

Too much is bad or the difficulties with information. Jemma
mech ept 9 no. 1: 2 of cover Ja '64.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

BURIAN, V.; DUBEN, J.; KASOVA, J.; KNITTOVA, O.; TESARIEVA, M.; VOJTOVA, H.,
ZIDNUDOVA, V.

Experiences with viral diagnosis of poliomyelitis in microbiological
laboratories of hygienic and epidemiological stations. Cesk. epidem.
mikrob. imun 8 ne.2:90-102 Mar 59.

1. Krajska hygienicko-epidemiologicka stanice v Ceskych Budjoviciach,
Jihlave, Liberec a Olomouci Okrasni hygienicko-epidemiologicka stanice
v Havlickova Brode. V.B. Liberec, Paarova 526.
(POLIOMYELITIS, diag.
viral laboratory diag. (Cs))

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3

KITZEK, J.; FRANC, J.

Determination of ϵ - caprolactam by potassium iodobismuthate. p. 72. (Chemicke Listy, Praha. Vol. 51, no. 1, Jan, 1957.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320010-3"

UMAROV, S.; KNIVA, A.; KOROBKOV, N.; CHESALIN, I.

Organization of currency circulation in economic regions. Den. i
kred. 17 no. 5:8-19 My '59. (MIRA 12:10)

1. Upravlyayushchiy Uzbekskoy respublikanskoy kontoroy Gosbanka
(for Umarov). 2. Upravlyayushchiy Litovskoy respublikanskoy
kontoroy Gosbanka (for Kniva). 3. Upravlyayushchiy i nachal'nik
otdela deneshnogo obrazcheniya Moskovskoy oblastnoy kontory
Gosbanka (for Korobkov, Chesalin).
(Money)

KNIZAKOVA, E.

COUNTRY : Czechoslovakia E-3
CATEGORY : Analytical Chemistry + Analysis of Organic
 Substances.
ABB. JOUR. : RZhKhim., No.7 1953, No. 23120
AUTHOR : Knizakova, E.; Korbl, J.
INST. :
TITLE : Analytical Use of Silver Permanganate. IX.
 "Isothermal" Product of Silver Permanganate
 Decomposition as Combustion Catalyst in
ORIG. PUB. : Chem. listy, 1958, 52, No 4, 750-751

ABSTRACT : An improvement of the procedure of preparation of the product of thermal decomposition of AgMnO_4 , used as catalyst in elementary analysis of organic substances (RZhKhim, 1956, 47244). The catalyst obtained by the new procedure does not sinter in the combustion tube. AgMnO_4 is prepared as previously described, of average crystal size 1 x 1 x 3 mm, and is heated in a layer < 2-3 mm for 24 hours in a drying oven at 90-95°, after which it is calcined for 1-3 hours at 500°. Under these conditions the catalyst retains the shape and dimensions of AgMnO_4 crystals, and its permeability lasts for a long time. Such a catalyst has yielded good results in semi-micro-determinations of C and

CARD: 1/2

BOCHKOVSKAYA, I.V.; ZVIAGINTSEVA, Ye.P.; KIZIBERORR, V.I., redaktor;
ANDREYEV, S.P., tekhnicheskiy redaktor.

[Practice of multiple hammer boring in rising mine shafts of the
"Leninruda" trust in the Krivoi Rog Basin] Opyt mnogomoletkovogo
bureniya v vosstaiushchikh vyrabotkakh na shakhtakh tresta "Lenin-
ruda" v Krivoroshekem basseine. Khar'kov, Gos.nauchno-tehn. isd-
vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 40 p.

(MLRA 7:12)

(Boring) (Krivoi Rog--Mines and mining)

KNIZE, Gustav

Velke tecky a cisloce pro pocetni hry. (Large Points and Figures for Mathematical Games. 1st ed. illus.) Prague, SPN, 1957. 57 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 36. 15 Oct 57. p. 779.

KNIZE, Gustav

Pocitovnica pre 1. postup. roč. všeob. vzděl. skol. (Mathematics for the 1st grade of schools of general education. 4th ed. illus.) Authors: Gustav Knize, Vlasta Pecankova, Miroslava Reitmayerova. Bratislava, SPN, 1957. 77 p.

Bibliograficky katalog, CSR, Slovenske Knihy, Vol. VIII. 1957. No. 9. p. 285.

STIRSKY, Pavel; SAFRANEK, Alois; BORSKY, Milan; KNIZE, Stanislav

Dynamic characteristics of the A 1 steam generator elements.
Jaderna energie 10 no. 5:132-173 My '64.

1. Research Institute of Power Engineering, Prague.

KNIZEK

C1
RECEIVED AND PROPERTIES
Add-condensed latex and their properties. Jim Kadick.

Chem. Comm. 19, 113-14 (1938).—The hardening of latex consisting of living substances is produced chiefly by the acidic acid added from the water phase. The hardening rate is increased by addition of acidic (HCOOH, (CO₂H)_n, citric, etc., etc.), neutral salts, or basic salts (NaOH, Na₂TiO₄). In the new latex "Jelastol C," which hardens quickly and remains liquid, in H₂O or acidic, a strong acid is added to the latex due to etch the surface of the granules so that the surface becomes very reactive and adhesive. Studies of particle sizes and surfaces led to the prep. of a latex which demanded only 25-30 g. of water glass per 100 g. of the prep., to give the desired properties of adhesion. In this case the adhesion is achieved partly by the contact between reactive surfaces of the acid-treated granules. The diminished content of water glass does not increase the porosity of the latex, but the consequent decrease in Na₂O content decreases the corrosion of the SiO₂ skeleton and increases the resistance of the hardened latex to hydrolysis in water. Brent Marrs

3

1.6.5.4 METALLURGICAL LITERATURE CLASSIFICATION

Literature

1986-1988

1989-1990

1991-1992

1993-1994

~~CZECHOSLOVAKIA~~

KNIZEK, J.

ARLEK, J; HAVLICKOVA; KHLINK, J.

Research Institute of organic syntheses, Tschadac-
Svitavy - (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 12, December 1966, pp 542-549.

"Indanol dyes. Part 19: On the reaction of 1,2-benzo-
cyclohexene benzoimide and 1,3-naphthylene benzoimide."

KNIZEK, J., HORAK, M., CHVALOVSKY, V.

Organosilicon compounds. Pt.31. Coll Cs Chem 28 no.11:
3079-3087 N°63.

1. Research Institute of Organic Syntheses, Pardubice-Rybitvi,
Institute of Organic Chemistry and Biochemistry, Czechoslovak
Academy of Sciences, Prague, and Institute for Chemical
Process Fundamentals, Czechoslovak Academy of Sciences, Prague.

KNIZEK, J.
Czechoslovakia / Analytical Chemistry.
Analysis of Organic Substances.

E-3

Abs APPROVED FOR RELEASE 06/19/2000 1360 CIA RDP86-00513R000723320010-3

Author : František Knížek

Title : The Determination of ϵ -Caprolactam by Means of
Potassium Iodobismuthate

Orig Pub: Chem. listy, 1957, 51, No. 1, 72-75

Abstract: The authors developed a method for the determination of ϵ -caprolactam (I), which also can be applied to the determination of methyl- ϵ -caprolactam (II) or to the determination of (I) in the presence of ϵ -amino caproic acid (III) and etc. The method is based on the precipitation with potassium iodobismuthate (IV) and titration of the excess of bismuth with complexones

Card 1/3

BY SOLUTION OF (IV). IN THE ABOVE-DESCRIBED CON-

Card 2/3

JOKL, Jan (Praha, Chotkova 7, Czechoslovakia); KNIZEK, J. (Praha, Chotkova 7,
Czechoslovakia)

Ultraviolet spectrophotometric determination of o-, m-, p- xylol- and
ethylbenzene content in mixtures. Acta chimica Hung 33 no.1:17-21
'62.

1. Institut für Makromolekulare Chemie der Tschechoslowakischen Akademie
der Wissenschaften.